Notice of Allowability	Application No.	Applicant(s)
	10/650,930	KOYAMA ET AL.
	Examiner	Art Unit
	Kimnhung Nguyen	2629
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to <u>Amendment filed on 5</u>	<u>5/1/06</u> .	
2. The allowed claim(s) is/are <u>1-60</u> .		
 3. Acknowledgment is made of a claim for foreign priority unanal	been received. been received in Application No	
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
 A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give 		
 5. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftsperse 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the deposed of the property of the	on's Patent Drawing Review (PTO- s Amendment / Comment or in the C 84(c)) should be written on the drawing he header according to 37 CFR 1.121(c sit of BIOLOGICAL MATERIAL n	Office action of the back) of d). nust be submitted. Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/06 Paper No./Mail Date 5/1/06 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Dat 7. ☐ Examiner's Amendn 8. ☑ Examiner's Stateme 9. ☐ Other	e nent/Comment) //

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DETAILED ACTION

This application has been examined. The claims 1-60 are allowed.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: The present invention 1. is directed to a liquid crystal display having on an insulating substrate a plurality of source signal lines, a plurality of gate signal lines, a plurality of pixels, and a source signal line driver circuit for driving the source signal lines, wherein the source signal line driver circuit has a plurality of analog buffer circuits, wherein a switching circuit having switches is provided between the analog buffer circuits and the source signal lines, wherein the plurality of source signal lines and the plurality of analog buffer circuits constitute a circuit group. The closest prior art of Chiang ((2002/0063674) shows a similar invention, however, he fails to teach wherein a connection between one of the source signal lines and one of the analog buffer circuits is periodically switched to a connection between the one of the source signal lines and another one of the analog buffer circuits by any one the switches as claims 1-4, 25-28; or wherein a switching circuit is provided between the analog buffer circuits and the source signal lines, wherein n (n is a natural number and is equal to or larger than 2) source signal lines and n analog buffer circuits constitute a circuit group, wherein a set of n periods is periodically repeated, and wherein, in an r-th period, the switching circuit connects an m-th source signal line in the circuit group to an (m+r-1)-th analog buffer circuit and an 1-th source signal line to an (1-n+r-1)-th analog buffer circuit, respectively as claims 5-6, 29-30.

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimnhung Nguyen whose telephone number is (571) 272-7698.

The examiner can normally be reached on MON-FRI, FROM 8:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Richard Hjerpe can be reached on (571) 272-7691. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kimnhung Nguyen June 30, 2006

> RICHARD HJERPE SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 2600